

### AMENDMENTS TO THE CLAIMS

1. (Currently Amended) ~~Peptide~~ A peptide corresponding to the formula (I)

W-Lys-Asp-Val-Z (I) (SEQ ID NO. 1-2)

or its peptide conjugate corresponding to the formula (II)

A-W-Lys-Asp-Val-Z (II) (SEQ ID NO. 3-4)

in which A represents the radical corresponding to a monocarboxylic acid of general formula (III)

HOOC-R (III)

in which R represents a C1-C24 aliphatic radical, linear or branched, possibly substituted by a hydroxy group, capable of including one or more unsaturations, lipoic acid or its reduced form, dihydrolipoic acid, N-lipoyl-lysine, or retinoic acid, and

W represents Glu-Gln-Arg, Arg-Lys, Arg-Lys-Asp, Arg or a bond,

when Z represents Tyr-Val-Gln-Leu-Tyr-NH<sub>2</sub> (SEQ ID NO:12), Leu-DOPA, DOPA-NH<sub>2</sub>, or HomoPhe-NH<sub>2</sub>,

or

W represents Gly-Gln-Gln or Glu-Gln, when Z represents Tyr-Val-Gln-Leu-Tyr-NH<sub>2</sub> (SEQ ID NO:12), Leu-DOPA, Val-Tyr-OH, Val-Tyr-NH<sub>2</sub>, Tyr-NH<sub>2</sub>, Tyr-OH, DOPA-NH<sub>2</sub>, or HomoPhe-NH<sub>2</sub>, in the form of enantiomers or diastereomers, as well as their mixtures, including racemic mixtures, the peptide of formula (I) and the peptide conjugate of formula (II) which can be present in the form of complexes with zinc.

2. (Currently Amended) ~~Peptide~~ The peptide or peptide conjugate according to claim 1, wherein the acid of general formula (III) is an omega-3 acid ~~chosen among~~ selected from the group consisting of:  $\alpha$ -linolenic acid, cervonic acid, timnodonic acid, and pinolenic acid, or an aliphatic C1-C24 radical ~~chosen among~~ selected from the group consisting of: acetic acid, myristic acid, palmitic acid hydroxydecenoic and decenoic acids, or an acid ~~chosen among~~ selected from the group consisting of: lipoic acid ~~or its,~~ the reduced form of lipoic acid, dihydrolipoic acid, N-lipoyl-lysine, [[or]] and retinoic acid.

3. (Currently Amended) ~~Peptide~~ The peptide or conjugate according to claim 2, wherein A is ~~selected among~~ lipoic acid [[and]] or acetic acid.

4. (Currently Amended) ~~Peptide~~ The peptide conjugate according to claim 1, wherein [[it]] said peptide conjugate is selected among from the group consisting of:

- 1- A-Arg-Lys-Asp-Val-DHomoPhe-NH<sub>2</sub>
- 2- A-Arg-Lys-Asp-Val-HomoPhe-NH<sub>2</sub> (SEQ ID NO. 5)
- 3- A-Lys-Asp-Val-DOPA-NH<sub>2</sub> (SEQ ID NO. 6)
- 4- A-DLys-Asp-Val-DOPA-NH<sub>2</sub>, and
- 5- A-Arg-Lys-Asp-Val-DOPA-NH<sub>2</sub> (SEQ ID NO. 7),

wherein A being is an acid of general formula (III) ~~such~~ as defined in claim 1.

5. (Currently Amended) ~~Cosmetic~~ A cosmetic or pharmaceutical compound ~~wherein it contains a~~ comprising the peptide or ~~[[a]]~~ the conjugate according to claim 1.

6-7. (Cancelled)

8. (Currently Amended) ~~[[The]]~~ A method of ~~preventive and curative~~ treatment of alopecia ~~comprising the administration of~~ which comprises administering an effective amount of ~~[[a]]~~ the peptide or the peptide conjugate according to claim 1 to a patient in need thereof.

9-10. (Canceled)

11. (Currently Amended) ~~Cosmetic~~ The cosmetic compound according to claim 5, wherein ~~it contains in addition~~ the cosmetic compound further comprises a compound ~~that improves hair growth, selected among~~ selected from the group consisting of: minoxidil, nicotinic acid esters, anti-inflammatory agents, retinoic acid ~~or its~~ and derivatives thereof, retinol, ~~[[or]]~~ and 5 $\alpha$ -reductase inhibitors.

12. (Currently Amended) ~~Cosmetic~~ The cosmetic compound according to claim 5, ~~wherein it contains in addition~~ further comprising a peptide corresponding to the ~~general~~ formula (I)

X-Gly-His-Lys-Y

(I) (SEQ ID NO. 8-9)

~~or its conjugate~~ conjugates thereof corresponding to the ~~general~~ formula (II)

A-X-Gly-His-Lys-Y (II) (SEQ ID NO. 10-11)

~~in which~~ wherein A is such as defined in claim 1, X represents a chain of 1 to 3 Lys residues, possibly methylated or, in the case of the formula (II), a bond,

Y represents an -OH or -NH<sub>2</sub> group, or

A-X represents a hydrogen atom, in the form of enantiomers of diastereomers, ~~as well as their and mixtures thereof~~, including racemic mixtures and complexes with zinc ~~which can be formed with these peptides or peptide conjugates~~.

13. (Currently Amended) ~~Cosmetic~~ The cosmetic compound according to claim 5, wherein ~~it contains~~ said cosmetic compound further comprises a UVB filter ~~chosen among selected from the group consisting of:~~ P-aminobenzoic acid ~~[[or]] and~~ PABA and ~~[[its]] esters thereof including~~ ~~[[the]]~~ cinnamates, ~~[[the]]~~ salicylates, ~~[[the]]~~ benzimidazoles, ~~[[the]]~~ benzylidene camphor derivatives and ~~[[the]]~~ triazines.

14. (Currently Amended) ~~Cosmetic~~ A cosmetic treatment method ~~to combat~~ of inhibiting hair loss ~~wherein it includes the application on the scalp of~~ which comprises applying on a scalp of a patient in need thereof ~~of a~~ the cosmetic compound according to claim 5.

15. (Currently Amended) ~~Food~~ A food supplement ~~wherein it contains a~~ comprising the peptide or ~~[[a]]~~ the peptide conjugate according to claim 1, ~~as well as, possibly, a compound that improves hair growth such as defined in claims 11 or 12.~~

16. (Currently Amended) ~~Cosmetie~~ A cosemetic treatment method ~~to combat of~~  
~~inhibiting~~ hair loss ~~wherein it includes the administration via the oral route to~~ which comprises  
administering orally to a patient in need thereof of a food supplement that ~~includes a~~ comprises  
the peptide or [[a]] the peptide conjugate according to claim 1, as well as, possibly, a compound  
~~that improves hair growth such as defined in claims 11 or 12.~~

17. (New) The food supplement according to claim 15, further comprising one or more  
of the compounds that improves hair growth according to claim 11 or claim 12.

18. (New) The method according to claim 16, wherein said food supplement further  
comprises one or more of the compounds that improves hair growth according to claim 11 or  
claim 12